Dear Customer

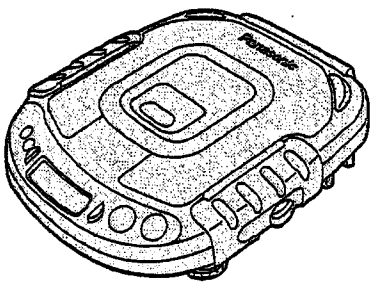
Thank you for purchasing this product.
For optimum performance and safety, please read these operating instructions carefully.

Panasonic®

Portable CD Player

SL-SW404

Operating Instructions



COMPACT disc DIGITAL AUDIO

Note

The "EB" indication shown on the packing case indicates United Kingdom.

Before connecting, operating or adjusting this product, please read these instructions completely. Please save this manual.

Supplied Accessories

Check the packing carton for these accessories.

AC adaptor ..... 1 pc.
For United Kingdom (RFEA404B-1W)
For others (RFEA403A-S)
Stereo headphones ..... 1 pc.
(RFEV701P-AS)

Rechargeable Ni-Cd batteries .... 2 pcs.
For United Kingdom (RP-BP60EYS1)
For others (RP-BP60SYS2)
Battery carrying case ..... 1 pc.
(RFKNLS370-K)
Remove the rechargeable batteries from their case before use.

Use numbers indicated in parentheses when asking for replacement parts.

EB GN

Power Supply Preparations

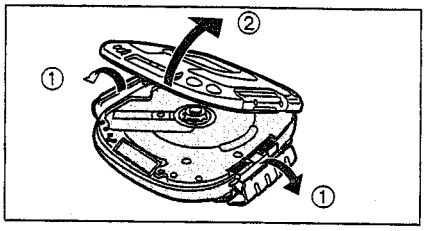
Refer to the specifications (page 12) for the duration of the play time provided when rechargeable

Using rechargeable batteries

Make sure that the rechargeable batteries have been recharged before use.

Recharging procedure

1 Open the disc lid.



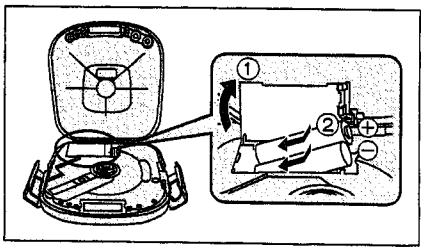
2 Open the battery compartment lid, and place the rechargeable batteries inside the unit.

No batteries other than the special rechargeable batteries can be recharged.

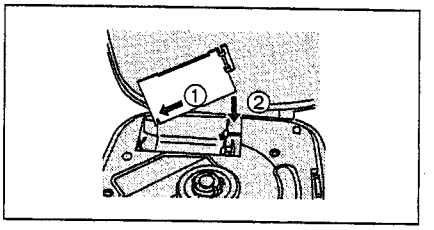
- Accessories (RP-BP60)
- Options (SH-CDB8D)

Note

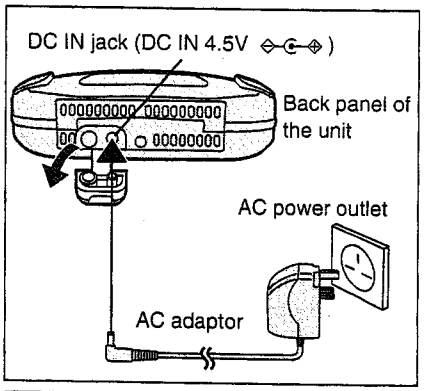
Be absolutely sure to close the battery compartment lid properly to avoid the damage to the disc.



If the battery compartment lid becomes disengaged, insert the protrusions on the lid into the cutouts on both sides of the unit.



3 Take off the attached rubber cap and connect the AC adaptor.



Note

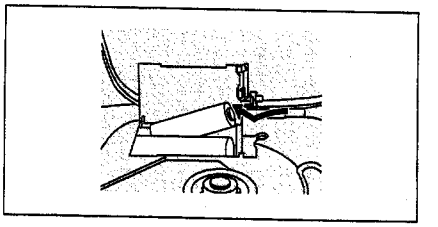
The configuration of the AC adaptor differs according to the area.

- It takes about 3 hours to fully recharge the batteries.

4 Upon completion of the recharging, disconnect the AC adaptor from the DC IN jack and power outlet.

Removing the batteries

Push the batteries upward in the direction of the arrow to remove them.



- The batteries can be used for about 10 months (300 times) if they are used every day. They will need to be replaced if the duration of their operation drops drastically.
- You can operate the unit with the AC adaptor while recharging the batteries, but it will lengthen the recharging time.
- Recharging should be performed at 5°C~40°C.
- While recharging, the AC adaptor and rechargeable batteries may get warm. This is normal.

r dry cell batteries are used.

Using the dry cell batteries (not included)

Disconnect the AC adaptor and then install two LR6 (UM-3) type alkaline batteries.
The batteries are inserted and removed in the same way as for the rechargeable batteries.

Using the AC adaptor

Connect the AC adaptor supplied.
Refer to the section on "Using the rechargeable batteries" for details on the connections.

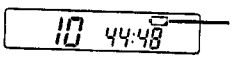
Note

The unit is in the standby condition when the AC adaptor is connected. The primary circuit is always "live" as long as the AC adaptor is connected to an electrical outlet.

Using the car adaptor (not included)

Be sure to obtain the car adaptor (SH-CDC9), available as an optional accessory.
The batteries can be recharged inside the car using the car adaptor.

Battery indicator



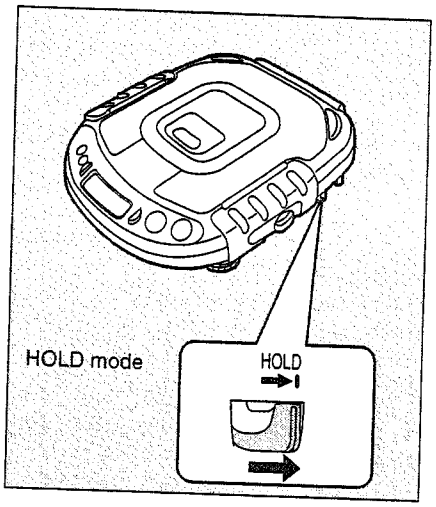
Battery indicator

It starts flashing when the batteries have run down. After a short while the power is automatically cut off.
(The amount of time the unit will continue to play after the indicator has started flashing differs slightly, depending on the type of batteries used.)

Type of battery	Action
Rechargeable batteries	Recharge the batteries again.
Dry cell batteries	Replace with new batteries.

(The battery indicator may not flash if rechargeable batteries, other than those designated by Panasonic, are used.)

Accidental Operation Prevention Function



This function prevents the unit from operating even if a control button is pressed in error. (The disc lid can still be opened and closed.)
Use the function to prevent the following situations:

Example 1:
While the unit is not in use, the power is inadvertently turned on and the batteries run down.

Example 2:
Play is interrupted while the unit is in use.

To use the accidental operation prevention function

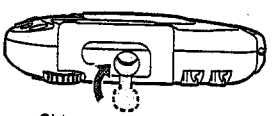
Set HOLD to the HOLD position.

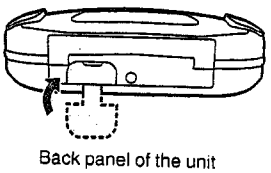
"hold" indicator

If the unit is in the hold mode, the "hold" indicator appears when any of the unit's function buttons is pressed.
When the unit is turned off
The "hold" indicator appears only when ▶II is pressed.

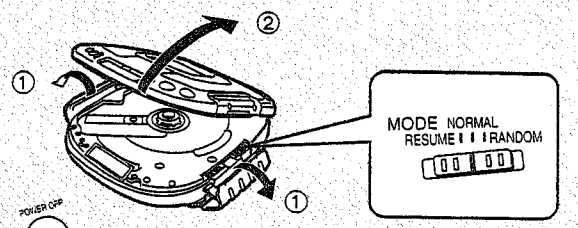
Before operating the buttons
Be absolutely sure to move HOLD to release the unit from the hold mode.

Be sure to cover the headphones jack, OUT jack and DC IN jack with attached rubber cap when these jacks are not in use.


Side panel of the unit

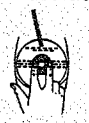

Back panel of the unit

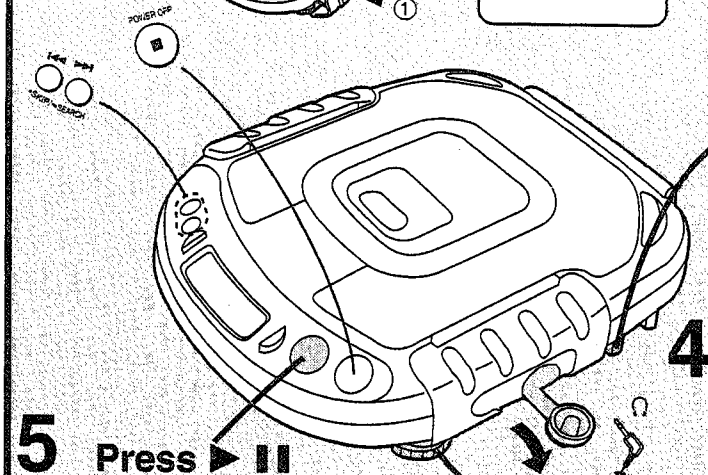
1 Open the lid, and set MODE to NORMAL.



2 Insert the
close the

Label must face

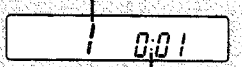




3 Rele
moc

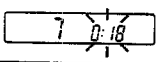
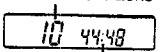
4 Take off th
and conne
headphon
(Plug in firmly)

5 Press ▶ II
Play now starts.
Track number in play



Elapsed playing time of each track
Play stops automatically when all the tracks have been played.

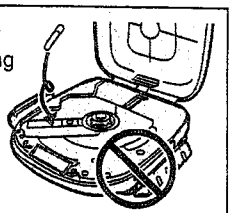
6 Adj

Operation	Button	Display
Pause: Press during play/press again to resume play	▶ II	
To stop play: Press during play Stop mode	■	Total number of tracks  Total playing time
To turn off the unit: Press during stop mode Off mode	■	
Skip forward/backward (skip function): Press during play **Rapid forward/backward (search function):** Keep depressed during play	▶▶|: Forward direction |◀◀: Backward direction	—

Skip and search functions

- During program play the tracks are skipped in the forward or backward direction in the programmed sequence.
- During program play, random play or 1-track repeat play, only the track being played is searched.
- During random play, it is not possible to skip to the track which has already been played.

Note
Do not put anything inside the unit.



For your reference:

"no dISC" display

This appears for about 30 seconds when a disc has not been inserted or when a disc has not been inserted properly and then ▶ II is pressed.

"OPEN" display

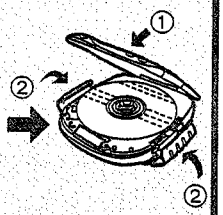
This appears for about 10 minutes after the lid is opened. (It does not appear when the unit is turned off.)

Automatic Shut-OFF function
When the unit is left for about 10 minutes in the stop or pause mode, this function automatically shuts off the power in order to prevent the batteries, etc. from discharging needlessly.

disc and lid.

ıpward.

Press the area near the center hole of the disc until it clicks into position.



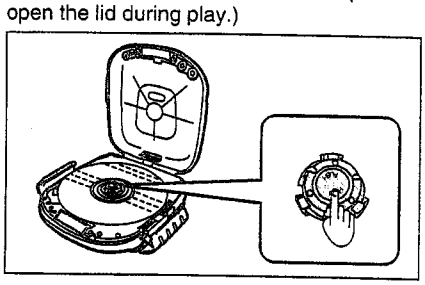
ease the hold le.

ıe attached rubber cap ıct the stereo es to the ∩ jack.

ust the volume level.

Removing the disc

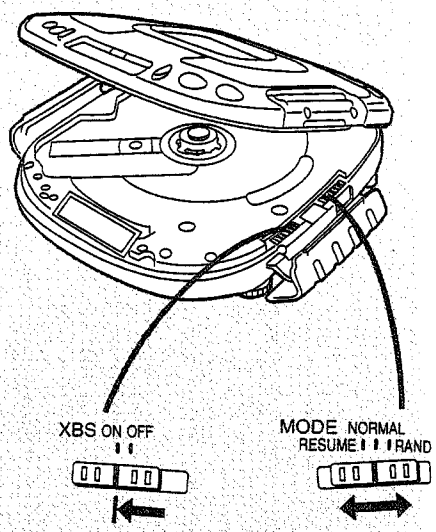
After the disc has stopped rotating, open lid, press PUSH to release the disc. (Do not open the lid during play.)



Note

When you open and/or close the lid, be sure to disconnect the stereo headphones plug from the headphones jack to avoid accidental breakage.

Other Play Methods



Set the MODE selector and XBS switch, before inserting the disc.

Skip play

1 **Set MODE to NORMAL.**
Set the unit to the stop mode.
(See page 4.)

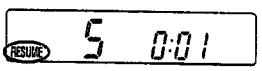
2 **Press •SKIP/ SEARCH to select the desired track number.**

3 **Press ▶ II.**

The tracks are played in sequence starting with the selected track until the last track, after which play is automatically stopped.

Resume play

Set MODE to RESUME.



Play can be resumed from the start of the track which was playing when the stop mode was last selected or when the power was last turned off.
This is useful when playing discs inside a car.

To cancel the resume mode

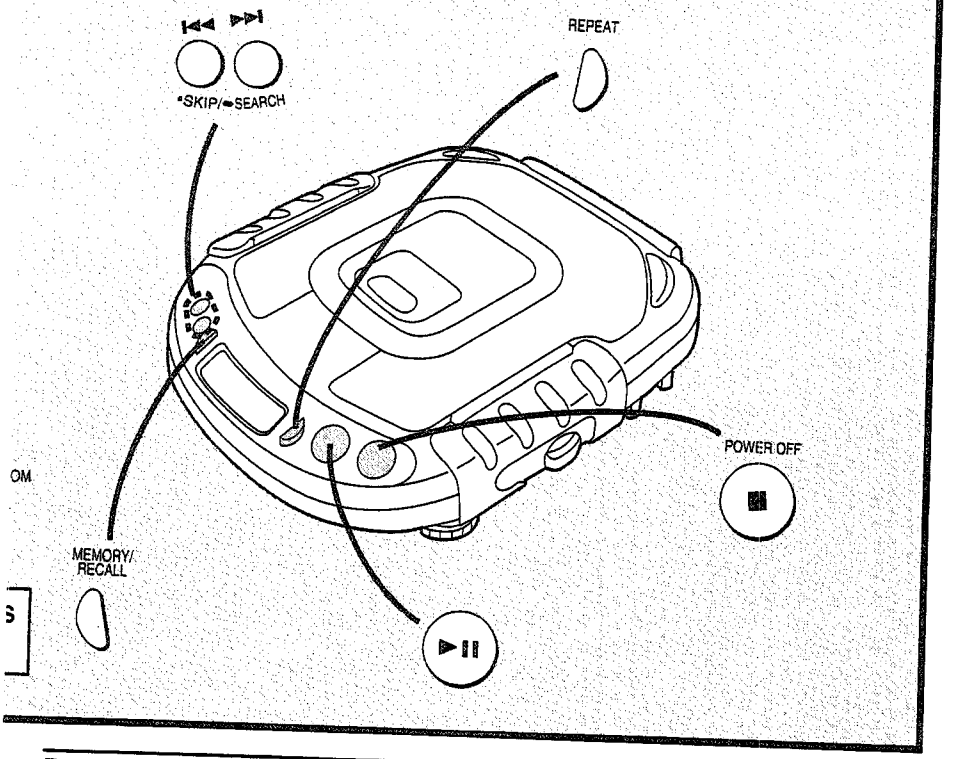
Set MODE to NORMAL.

For your reference:

If MODE is set to RESUME, the all repeat function is automatically activated when play is started.

Notes

- If play is stopped near the end of a track, it may be resumed from the next track.
- When a track is being played, if the power is turned off and another disc is inserted, the position of the track last played is still in the memory, and play will start at the same position among the tracks on the newly inserted disc.

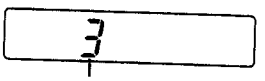


Program play

Up to 24 tracks can be programmed.

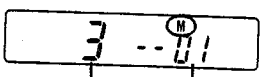
1 **Set MODE to NORMAL.**
Set the unit to the stop mode.
(See page 4.)

2 **Press •SKIP/ SEARCH to select the desired track number.**
For example:
To select track 3, press ▶▶| 3 times.



Track number

3 **Press MEMORY/RECALL to store the number in the memory.**



Track number

Program order

4 **Repeat steps 2 and 3 to program all the desired tracks.**

5 **Press ▶ II.**

To program the same track repeatedly

Press MEMORY/RECALL repeatedly after step 3.

When " F " appears

No more tracks can be programmed.

To check what has been programmed

Press MEMORY/RECALL during play.
(The display shows the programmed track numbers in the sequence you have entered.)

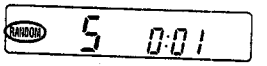
To cancel all the programming

Press ■/POWER OFF.

Random play

1 **Set MODE to RANDOM.**

2 **Press ▶ II.**



To cancel the random mode

Set MODE to NORMAL.

For your reference:

The first track to be played can be changed by pressing ▶▶| in the stop mode. (All the tracks are played regardless of the track first played.)

Note

Program play is not possible in the RANDOM mode.

Repeat function

To repeat one track

Press REPEAT once in the stop mode or during play.

To repeat all the tracks

Press REPEAT twice in the stop mode or during play. [In the program play mode, only all the programmed tracks will be repeated. ("ALL" will not be appeared.)]

To cancel the repeat function

Press REPEAT once in the all repeat mode.

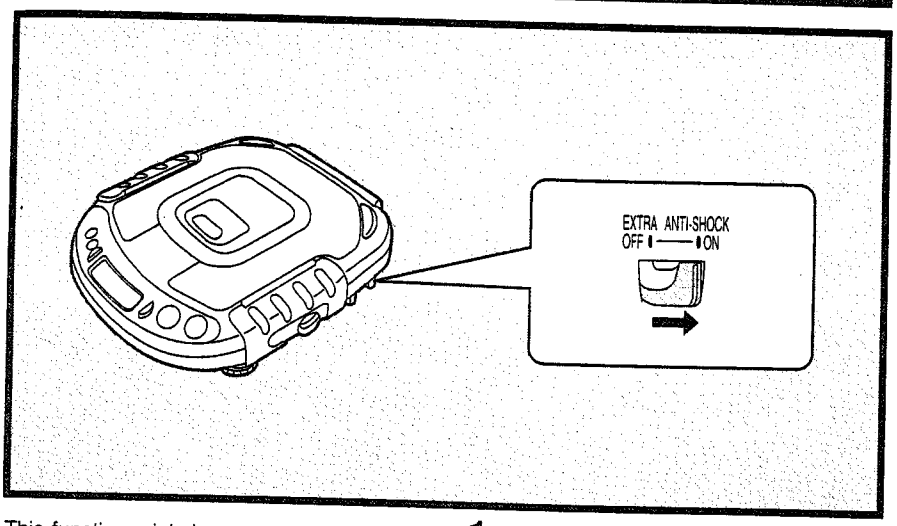
To change the tone quality

(Available except when using the OUT jack.)

XBS

ON: For extra bass sound

Extra Anti-Shock Function



This function minimizes sound interruptions due to vibration when listening to a disc while walking about or in a moving vehicle or train.

Once the extra anti-shock function has been activated, play data of up to 10 seconds can be stored in the memory.
Therefore, even if the unit sustains an external impact, the data stored in the memory is sent to minimize sound interruptions during play.

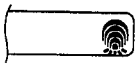
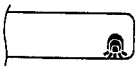
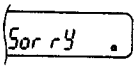
1 Set EXTRA ANTI-SHOCK to ON.

2 Press ▶ II.
The function starts to store the play data, and the M.RESERVE indicator on the display shows how much data is stored.

Notes

- The EXTRA ANTI-SHOCK can be set during play but doing so will produce a slight gap in the sound due to a change in the disc speed.
- While the extra anti-shock function is on, the life span of the batteries is shortened and sound made by the rotation of the disc increases somewhat because the disc rotates faster and the play data is stored.

M.RESERVE indicator

M.RESERVE mode	Unit mode	Play mode (play data mode)
	Stable.	Sound is heard (sufficient data has been stored).
	Unit sustains a shock.	Sound is heard (stored data is used).
	Shock subsides.	Sound is heard (data storage commences).
	Unit sustains continuous shocks.	Sound is interrupted (no more data is stored).

Listening to sound with the unit connected to an audio system

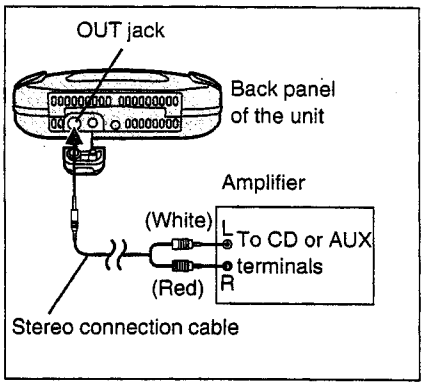
The extra anti-shock function incorporates digital signal compression technology. When listening to sound with the unit connected to an audio system at home, it is recommended that the extra anti-shock switch be set to the OFF position.

Using the Unit with Optional Accessories

Using the unit with an audio system

Using the stereo connection cable (not included), you can hear CDs on your audio system.

- Connect the cable to the amplifier after turning off its power.
- Do not connect the cable to the PHONO jacks on the amplifier.
- Obtain the optional connecting cable if the amplifier comes with mini-phone jacks.
- Adjust the volume level on the amplifier.



Using the unit with a car audio system

Items to be purchased

For connection to the car audio system:
Car stereo cassette adaptor (SH-CDM9A)

For securing the unit and connecting the power supply:

- Car adaptor (SH-CDC9)
- Car Mount Kit (SH-CDF20)
  Car mounting arm, Car mounting base

Note

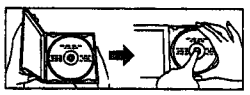
It may not be possible to use the unit with some types of car audio systems owing to restrictions imposed by the construction of the car stereo cassette adaptor or car Mount kit.
For further details, refer to the instructions of the part concerned.

Concerning Compact Discs

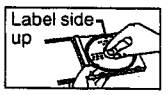
Only compact discs bearing this mark can be used with this unit.

COMPACT disc DIGITAL AUDIO

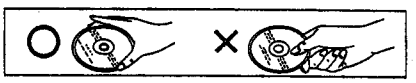
How to remove a disc from its case



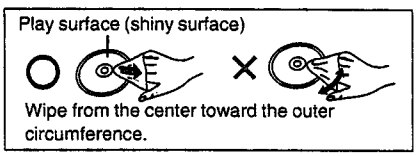
How to store the disc in its case



How to hold a disc



If the surface is dirty
Wipe it with a damp cloth and then wipe dry.



If moisture has formed on a disc
When moisture has formed because the disc was brought suddenly into a warm room from a cold environment, wipe it off using a soft dry cloth.

When storing discs
Avoid locations which are

- Exposed to direct sunlight.
- Susceptible to high levels of humidity or dust.
- Directly exposed to heat from a heating appliance.
- On top of a car dashboard or near the rear window.

Handling precautions

- On the label side (the side with writing)
  Do not write anything using a pencil, ball-point pen, etc. Do not stick paper or labels.
- On the disc (shiny) side
  Handle this side carefully to keep it free from fingerprints or scratches. Do not use record cleaners, solvents, etc.

Cautions

Water Resistant (Splash Proof)

This unit is splash-proof and is not designed to be used under water.
Please note the following points to avoid possible damage to the unit and the included headphones.

- **Do not drop them into water and dash much water.**
- **Since water in the headphones jack, OUT jack and DC IN jack may cause damage, cover it properly with attached rubber cap when these jacks are not in use.**
- **To prevent water from entering the unit dual locks should be locked to close the disc lid.**
- If the unit or the headphones get wet with water or sweat, dry them with a soft cloth.
- Do not open the disc lid near water or sand. Before opening or closing the disc lid, be sure to wipe off water, dust or sand on the unit and operate with a dry hand.
- Make sure of no sand and dust around the disc lid. If there is sand or dust, the disc lid will not close properly and water will get into, which may cause a trouble.
- Do not expose the unit or the headphones to salt water. If the unit and headphones are immersed in salt water, wash them in a little fresh water then dry with soft cloth. Never wash them under running water.
- Do not place the unit and the headphones for a long period of time in high temperature and high humidity area such as bathrooms or damp basements, etc.

AC adaptor

- Handle the AC adaptor carefully. Improper handling is dangerous.
  - Do not touch it with wet hands.
  - Do not place heavy objects on top of it.
  - Do not forcibly bend it.
- Be sure to connect only the AC adaptor provided with the unit.
- Disconnect the AC adaptor from the power outlet if the unit is not going to be used for a long time.

Unit

No altering or remodeling
This can cause malfunctioning.

No dropping or strong impacts
This may damage the unit.

Locations to be avoided
Avoid using the unit in the following locations since they can cause malfunctioning.

1. Bathrooms and other moisture-prone places
2. Warehouses and other dusty places
3. Very hot places near heating appliances, etc.

Do not leave the unit exposed to direct sunlight for long periods of time
This may deform or discolor the cabinet and may also cause malfunctioning.

Rechargeable batteries

- Only the RP-BP60/SH-CDB8D batteries can be recharged.
- If the power delivered by the batteries lasts for a very short time after recharging, it means that the batteries' service life is over. Do not use them any more, please replace the batteries.
- Recharging already charged batteries will shorten their service life.
- When recharging batteries for the first time or when they have not been used for a long period of time, the play time may be shorter than usual. In a case like this, repeatedly recharge and discharge the batteries. This will restore them to their regular charged state.
- Do not allow any metal objects to touch the terminals of rechargeable batteries since this may cause short-circuiting which is dangerous.
- Do not peel off the plastic covering on the rechargeable batteries. Short-circuiting may occur, which is dangerous.

Dry cell batteries/rechargeable batteries

To prevent damage to the batteries and electrolyte leakage, heed the following points into the unit.

- Align the ⊕ and ⊖ polarities properly when inserting the batteries.
- Do not mix different types or makes of batteries or old and new batteries.
- Remove the batteries if you do not plan to use the unit for an extended period of time.
- Do not throw batteries into a fire, and do not short-circuit, disassemble or subject them to excessive heat.
- Do not attempt to recharge dry cell batteries.

Carrying dry cell batteries or rechargeable batteries around

When putting dry cell or rechargeable batteries in a pocket or bag, ensure that no other metal objects, such as a necklace, are placed in the pocket or bag with them. Contact with metal may cause short-circuiting which, in turn, may cause a fire.
Be absolutely sure to carry the rechargeable batteries in the battery carrying case.

When driving a car

For safety reasons, do not operate the unit while driving.

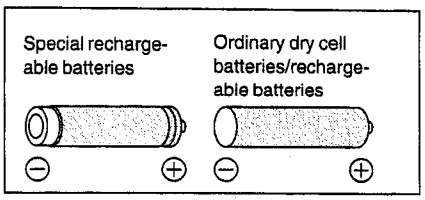
Precautions for Listening with the Headphones or Earphones

- Do not play your headphones or earphones at a high volume. Hearing experts advise against continuous extended play.
- If you experience a ringing in your ears, reduce volume or discontinue use.
- Do not use while operating a motorized vehicle. It may create a traffic hazard and is illegal in many areas.
- You should use extreme caution or temporarily discontinue use in potentially hazardous situations.
- Even if your headphones or earphones is an open-air type designed to let you hear outside sounds, don't turn up the volume so high that you can't hear what's around you.

When purchasing rechargeable batteries

As a safety precaution, the portable CD players made by our company have a construction designed to make it impossible to recharge ordinary batteries.
To use rechargeable batteries, be absolutely sure to purchase the rechargeable Ni-Cd batteries designed especially for this unit.

Special rechargeable Ni-Cd batteries: SH-CDB8D (set of 2)
For details, check with your dealer.



(For United Kingdom)

Notice about the rechargeable battery
The battery is designated recyclable.
Please follow your local recycling regulations.

Maintenance

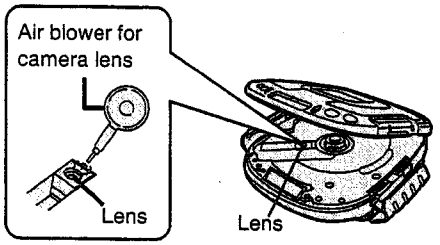
Maintaining the unit

Wipe the unit with a soft cloth. Remove stubborn dirt using a cloth which has been dipped in water or soapy water and wrung out, and then wipe dry.

- If you intend to use a chemical cleaning cloth, read its directions first.
- Do not use alcohol or paint thinners.

Maintaining the lens

Open the lid and clean the lens as shown in the figure.
Use a cotton swab to gently wipe off any fingerprints.
Recommended product: Lens cleaner kit (SZZP1038C)



Troubleshooting Guide

Before requesting service for this unit, check the chart below for a possible cause of the problem you are experiencing. Some simple checks or a minor adjustment on your part may eliminate the problem and restore proper operation.
If you are in doubt about some of the check points, or if the remedies indicated in the chart do not solve the problem, refer to the directory of Authorized Service Centers (enclosed with this unit) to locate a convenient service center, or consult your dealer for instructions.

Problem	Checkpoint	Remedy
Disc lid does not close.	Is the disc secured properly?	Secure the disc properly.
No play even when disc is inserted.	Is unit in HOLD mode?	Release HOLD mode.
	Is disc secured?	Secure disc until it clicks into position.
	Any condensation inside unit?	Stand for about an hour and then operate.
Disc cannot be removed.	Is disc secured?	Press PUSH to release disc.
Disturbed TV picture or interference in radio reception.	Is unit being used near TV or tuner?	• Place unit as far away as possible from TV or tuner. • If the TV or tuner has a simple indoor antenna, replace it with an antenna specially designed for the TV or tuner.
Sound cannot be heard.	Has headphones plug been inserted as far as it will go?	Insert plug firmly into headphones jack.
Sound is punctuated by breaks or noise is heard when headphones plug is rotated.	Is headphones plug dirty?	Wipe away dirt on plug.

Specifications

Audio

No. of channels: 2 (left and right, stereo)
Frequency response: 20–20,000 Hz (+0.5 dB, −1.5 dB)
Output voltage: 0.6 V (50 kΩ)
S/N: More than 94 dB*
Wow and flutter: Below measurable limit
Digital filter: 8 times over sampling
DA converter: 1 bit, MASH
Headphone output level: Max. 9 mW+9 mW/16Ω (variable)

Pickup

Light source: Semiconductor laser
Wavelength: 780 nm

General

Operational temperature range: 0°C–40°C
Rechargeable temperature range: 5°C–40°C
Power supply: DC 4.5 V

Power consumption:

Power source	Extra anti-shock OFF/ON
Using AC adapter	5.5 W/5.7 W

Play time:
(When the unit is used, at 25°C temperature and on flat and stable surface)

Batteries used	Extra anti-shock OFF/ON
Rechargeable batteries	About 3 hours/ About 2 hours 30 minutes
Panasonic alkaline dry cell batteries	About 10 hours/ About 7 hours 30 minutes

The play time may be less depending on the operating conditions.
Recharging time: About 3 hours
Dimensions (W×H×D): 133.0×31.5×150.5 mm
Weight: 357 g (with batteries)
312 g (without batteries)
*These specifications were measured in the extra anti-shock OFF mode.

Note:
Specifications are subject to change without notice.
Weight and dimensions are approximate.

MASH is a trademark of NTT.

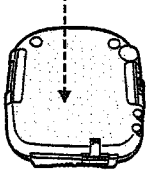
CAUTION!
THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

Marking sign is located on bottom of the unit.

DANGER-Invisible laser radiation when open and interlock defeated. AVOID DIRECT EXPOSURE TO BEAM.
(Bottom of product)

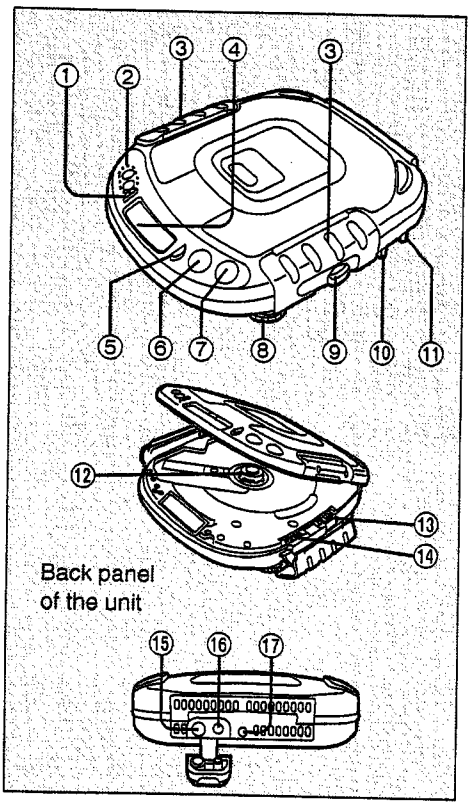
WARNING:
TO PREVENT THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO DRIPPING OR SPLASHING.

CLASS 1
LASER PRODUCT



Bottom of the unit

Location of Controls



① Memory/recall button (MEMORY/RECALL)
② Skip/search buttons (|◀◀, ▶▶| •SKIP/ ▬ SEARCH)
③ Dual lock
④ Display
⑤ Repeat button (REPEAT)
⑥ Play/pause button (▶ ❚❚)
⑦ Stop/power off button (■/POWER OFF)
⑧ Headphones volume control (VOLUME)
⑨ Headphones jack (∩)
⑩ Hold switch (HOLD)
⑪ Extra anti-shock switch (EXTRA ANTI-SHOCK)
⑫ Push button (PUSH)
⑬ Play mode selector (MODE)
⑭ XBS switch (XBS)
⑮ Out jack (OUT)
⑯ DC in jack (DC IN 4.5 V ⟐⊂⟐)
⑰ Hole for car mounting base

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